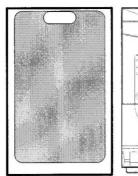
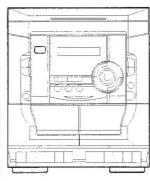
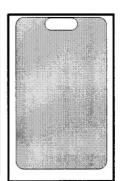


NSX-SZ103 K NSX-SZ107 EZ







SERVICE MANUAL

COMPACT DISC STEREO SYSTEM BASIC TAPE MECHANISM : ZZM-2 PR1 NC BASIC CD MECHANISM : BZG-2 ZD4NC BZG-2 ZD4N

SYSTEM	CD CASSEIVER	CD MECHANISM	SPEAKER	REMOTE CONTROLLER
NSX-SZ103	CX-NSZ103	BZG-2 ZD4NC	SX-NSZ102	RC-AAS11
NSX-SZ107	CX-NSZ107	BZG-2 ZD4N	SX-NSZ107	RC-ZAS17



SPECIFICATIONS

<FM tuner section>

Tuning range

87.5 MHz to 108 MHz

 $350 \mu V/m$

Usable sensitivity (IHF) 16.8 dBf

Antenna terminal 75 ohms (unbalanced)

<MW tuner section>

Tuning range

531 kHz to 1602 kHz (9 kHz step) 530 kHz to 1710 kHz (10 kHz step)

Usable sensitivity

<LW tuner section>

Antenna

Loop antenna

Tuning range Usable sensitivity

Antenna

144 kHz to 290 kHz $1400 \mu V/m$

Loop antenna

<Amplifier section>

Power output

EZ:

Rated: 8 W + 8 W (6 ohms, T.H.D. 1 %, 1 kHz/DIN45500) Reference: 10 W + 10 W (6 ohms, T.H.D. 10 %, 1 kHz/DIN45324) DIN MUSIC POWER: 30 W + 30 W

K:

Rated: 15 W + 15 W (6 ohms, T.H.D. 1 %, 1 kHz/DIN45500) Reference: 18 W + 18 W (6 ohms, T.H.D. 10 %, 1 kHz/DIN45324) EZ: 0.1 % (4 W, 1 kHz, 6 ohms, DIN

AUDIO)

K: 0.1 % (7.5 W, 1 kHz, 6 ohms, DIN

AUDIO)

Inputs Output

VIDEO/AUX: 500 mV SPEAKERS: 6 ohms or more PHONES: 32 ohms or more

<Cassette deck section>

Total harmonic distortion

Track format Frequency response Recording system

Heads

4 tracks, 2 channels stereo

50 Hz - 8000 Hz

AC bias

Deck 1: recording/playback x 1,

erase x 1 Deck 2: playback x 1 <Compact disc player section>

Laser Semiconductor laser (λ =780 nm)

D/A converter 1 bit dual

Signal-to-noise ratio 85 dB (1 kHz, 0 dB) Harmonic distortion 0.05 % (1 kHz, 0 dB)

<Speaker system SX-NSZ102/SX-NSZ107>

Speaker system 1 way, bass reflex (magnetic shielded)

Speaker units Full range: 100 mm cone

Impedance 6 ohms

Dimensions (W x H x D) 196 x 301 x 188 mm

Weight 1.5 kg

<General>

Power requirements

EZ: 230 V AC, 50 Hz K: 230 -240 VAC, 50 Hz

Power consumption EZ: 45 W

K: 58 W

Dimensions (W \times H \times D)

260 x 301 x 292 mm

Weight

EZ: 4.3 kg K: 4.5 kg

• Design and specifications are subject to change without notice.

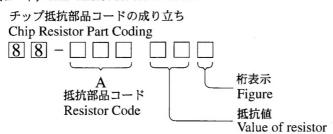
ELECTRICAL MAIN PARTS LIST

	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
	IC				C51	87-010-247-080	CAP, E	100-50 SME <k></k>
					C51	87-A12-095-080		100-50 SMG <ez></ez>
		87-A21-893-040		JM14558V-TE2	C60	87-010-403-080		3.3-50 SME <k></k>
		87-A21-419-040		JM14558MD-TE2	C60	87-A12-089-080		3.3-50 SMG <ez></ez>
		8B-NFC-602-030		PD780226GF-023-3BA	C61	87-010-260-080	CAP, E	47-25 SME <k></k>
		87-A21-218-010		64H38OA	C61	07_312_071_000	CNDE	47-25 SMG <ez></ez>
		87-A21-443-040	C-1C, M	62495AFP	C74	87-A12-071-080 87-010-759-080		,U, 0.1-25F
		87-A21-695-010	IC,LA1	DAET.	C101	87-010-739-080		U 6800P-50
		87-A21-928-010		2131D-N	C102	87-012-284-080		U 6800P-50
		0, 1121 320 010	20,20		C103	87-010-544-080		0.1-50 SME <k></k>
	TRANSISTO	R			C103	87-A12-083-080		0.1-50 SMG <ez></ez>
					C104	87-010-544-080		0.1-50 SME <k></k>
		87-A30-494-080			C104	87-A12-083-080		0.1-50 SMG <ez></ez>
		87-A30-476-010			C105 C106	87-012-282-080		U 4700P-50 U 4700P-50
		87-A30-492-080 87-A30-076-080		5343G <k> SC3052F</k>	C106	87-012-282-080	CAF,	5 4/00F-50
		87-A30-075-080		SA1235F	C107	87-010-403-080	CAP.E	3.3-50 SME <k></k>
		01 A30 013 000	C 11., 2	J. 12 2 3 1	C107	87-A12-089-080		3.3-50 SMG <ez></ez>
		87-A30-256-010	TR,2SD	1933	C108	87-010-403-080		3.3-50 SME <k></k>
		87-A30-255-010	TR,2SB	1342	C108	87-A12-089-080	CAP, E	3.3-50 SMG <ez></ez>
		87-A30-234-080	TR, CSC	4115BC	C109	87-012-195-080	C-CAP	U 100P-50CH
		87-A30-091-080						
		87-A30-090-080	FET, 2S	K2541	C110	87-012-195-080		U 100P-50CH
		07 300 000 000	O MD 12	PG1045	C111 C111	87-010-406-080 87-A10-092-080		22-50 SME <k> 22-50 SMG<ez></ez></k>
		87-A30-062-080 87-A30-495-080			C111	87-010-406-080		22-50 SME <k></k>
		89-327-143-080		SC2714 (0.1W)	C112	87-A10-092-080		22-50 SMG <ez></ez>
		87-A30-489-080				_, 000	C , E	
		89-503-602-080		2SK360E	C113	87-012-199-080	C-CAP	U 220P-50CH <ez></ez>
					C113	87-A10-946-080	C-CAP	,U 220P-100 <k></k>
		87-A30-086-040	C-TR,C	SD1306E	C114	87-A10-946-080		,U 220P-100 <k></k>
		87-A30-484-080			C114	87-012-199-080		U 220P-50CH <ez></ez>
		87-026-610-080		3198GR <ez></ez>	C117	87-012-286-080	CAP,	U 0.01-25
		87-A30-615-080	IR, SIC	250 <ez></ez>	C118	87-012-286-080	CAP. I	U 0.01-25
					C119	87-012-286-080		U 0.01-25
	DIODE				C120	87-012-286-080		U 0.01-25
					C123	87-012-280-080		U 3300-50 KB
		87-A40-455-090		RL203 GW	C124	87-012-280-080	CAP, I	U 3300-50 KB
		87-A40-553-080		1N4003 LES				
		87-A40-777-080		UZ30BSB	C125	87-010-759-080		,U, 0.1-25F
		87-A40-291-080		1N4148 (CPT)	C126 C127	87-010-759-080 87-010-759-080		,U, 0.1-25F ,U, 0.1-25F
		87-A40-764-080	ZENER,	UZ10BSC	C127	87-010-759-080		,U, 0.1-25F
		87-A40-269-080	C-DIOD	E,MC2836	C129	87-012-276-080		CHIP SS 1500 PBK
		87-A40-270-080		E,MC2838			,	
		87-A40-749-080	ZENER,	UZ5.6BSB	C130	87-012-276-080		CHIP SS 1500 PBK
		87-A40-739-080		UZ2.7BSA	C140	86-ZA1-616-080		U 0.01-50 K B (MUR)
		87-017-149-080	ZENER,	HZS6A2L	C401	87-010-759-080		,U, 0.1-25F
		07 340 760 000	ZENED	170 1703	C402 C403	87-010-759-080 87-012-193-080		,U, 0.1-25F ,U 82P-50 CH
		87-A40-760-080	ZENEK,	UZ9.1BSA	C403	67-012-193-060	C-CAP	,0 62F-30 CH
					C404	87-012-193-080	C-CAP	U 82P-50 CH
	MAIN C.B				C405	87-012-286-080	CAP, I	U 0.01-25
					C406	87-012-286-080		U 0.01-25
	C9	87-010-759-080		U, 0.1-25F	C407	87-012-286-080		U 0.01-25
	C10	87-010-759-080		U, 0.1-25F U, 0.1-25F	C408	87-012-286-080	CAP, I	U 0.01-25
	C11 C12	87-010-759-080 87-010-759-080		U, 0.1-25F	C409	87-012-278-080	C-CAP	U 2200P-50 B
	C21	87-A12-442-000		3300-25 M 85 IV LELON <ez></ez>	C410	87-012-278-080		,U 2200P-50 B
		000	/ L		C411	87-010-405-080		10-50 SME <k></k>
	C21	87-A12-440-000	CAP, E	3300-35 M 85 IV LELON <k></k>	C411	87-A12-091-080		10-50 SMG <ez></ez>
	C22	87-A10-831-080		1000-25 M SMG <ez></ez>	C412	87-010-405-080	CAP, E	10-50 SME <k></k>
	C22	87-A12-441-000		2200-35 M 85 IV LELON <k></k>				
	C25	87-010-407-080		33-50 SME <k></k>	C412	87-A12-091-080		10-50 SMG <ez> U 0.01-25</ez>
	C25	87-A12-094-080	CAP, E	47-50 SMG <ez></ez>	C413 C421	87-012-286-080 87-012-275-080		U 0.01-25 ,U 1200P-50 B
	C26	87-010-407-080	CAP.E	33-50 SME <k></k>	C421	87-012-275-080		U 1200P-50 B
	C26	87-A12-094-080		47-50 SMG <ez></ez>	C423	87-012-274-080		CAP,U 1000P-50B
-	C31	87-010-759-080	C-CAP,	U, 0.1-25F				
	C32	87-012-286-080		0.01-25	C424	87-012-274-080		CAP,U 1000P-50B
	C34	87-010-260-080	CAP, E	47-25 SME <k></k>	C425	87-010-263-080		100-10 SME <k></k>
	<i>a</i> 2 •			AT OF OMOURE	C425	87-A12-062-080		100-10 SMG <ez></ez>
	C34 C35	87-A12-071-080		47-25 SMG <ez> 22-50 SMG<ez></ez></ez>	C426 C426	87-A12-062-080		100-10 SMG <ez> 100-10 SME<k></k></ez>
	C35	87-A10-092-080 87-010-406-080		22-50 SME <k></k>	C420	87-010-263-080	CAP, E	TOO-TO DUECV>
	C36	87-010-112-080		100-16 SME <k></k>	C427	87-012-188-080	C-CAP	U 47P-50 CH
	C36	87-A10-918-080		100-16 SMG <ez></ez>	C428	87-012-188-080		U 47P-50 CH
					C429	87-010-956-080		CAP,S 0.068-25B
	C50	87-010-247-080		100-50 SME <k></k>	C430	87-010-956-080		CAP,S 0.068-25B
	C50	87-A12-095-080	CAP, E	100-50 SMG <ez></ez>	C431	87-012-284-080	CAP, I	U 6800P-50

REF. NO.	PART NO.	KANRI NO.	I D	ESCRIPTION	REF. NO.	PART NO.	KANF NO.	
C432 C433 C433 C434 C434	87-012-284-080 87-010-546-080 87-A12-085-080 87-010-546-080 87-A12-085-080	0	'AP.E 0.3	00P-50 3-50 SME <k> 3-50 SMG<ez> 3-50 SME<k> 3-50 SMG<ez></ez></k></ez></k>	C796 C797 C797 C798 C799	87-012-286-080 87-010-405-080 87-A12-091-080 87-012-286-080 87-010-407-080		CAP, U 0.01-25 CAP,E 10-50 SME <k> CAP,E 10-50 SMG<ez> CAP, U 0.01-25 CAP,E 33-50 SME<k></k></ez></k>
C435 C435 C436 C437 C439	87-010-263-080 87-A12-062-080 87-010-759-080 87-010-759-080 87-010-759-080	0	CAP,E 100 CAP,E 100 C-CAP,U, C-CAP,U,	0.1-25F	C799 C800 C801 C801 C802	87-A12-093-080 87-010-829-080 87-010-403-080 87-A12-089-080 87-010-829-080		CAP,E 33-50 SMG <ez> CAP, U 0.047-16 CAP,E 3.3-50 SME<k> CAP,E 3.3-50 SMG<ez> CAP, U 0.047-16</ez></k></ez>
C440 C441 C442 C443 C444	87-010-759-080 87-010-759-080 87-010-759-080 87-010-759-080 87-012-197-080	0	C-CAP, U, C-CAP, U, C-CAP, U, C-CAP, U, C-CAP, U 1	0.1-25F 0.1-25F	C803 C804 C804 C807 C807	87-010-787-080 87-010-263-080 87-A12-062-080 87-010-400-080 87-A12-086-080		CAP, U 0.022-25 CAP,E 100-10 SME <k> CAP,E 100-10 SMG<ez> CAP,E 0.47-50 SME<k> CAP,E 0.47-50 SMG<ez></ez></k></ez></k>
C445 C452 C452 C453 C454	87-A10-039-080 87-010-382-080 87-A12-069-080 87-012-279-080 87-012-279-080		C-CAP,U 4 CAP,E 22- CAP,E 22- C-CAP,U 2 C-CAP,U 2	70P-50 J CH 25 SME <k> 25 SMG<ez> 700P-50 B 700P-50 B</ez></k>	C808 C808 C809 C809 C810	87-A12-087-080 87-010-401-080 87-A12-087-080 87-010-401-080 87-010-759-080		CAP,E 1-50 SMG <ez> CAP,E 1-50 M 11 L SME<k> CAP,E 1-50 SMG<ez> CAP,E 1-50 M 11 L SME<k> CAP,E 1-50 M 11 L SME<k> C-CAP,U, 0.1-25F</k></k></ez></k></ez>
C455 C456 C457 C458 C459	87-012-279-080 87-012-286-080 87-A12-361-080 87-012-274-080 87-010-175-080	0	AP, U 0. AP,M 560	700P-50 B 01-25 0P-100 J CP U 1000P-50B	C814 C815 C815 C816 C816	87-012-286-080 87-A12-086-080 87-010-400-080 87-A12-086-080 87-010-400-080		CAP, U 0.01-25 CAP,E 0.47-50 SMG <ez> CAP,E 0.47-50 M 11 L SME<k> CAP,E 0.47-50 SMG<ez> CAP,E 0.47-50 M 11 L SME<k></k></ez></k></ez>
C460 C461 C462 C470 C605	87-010-759-080 87-012-158-080 87-012-158-080 87-A10-039-080 87-012-275-080	0	C-CAP,S 3	0.1-25F 90P-50 CH 90P-50 CH 70P-50 J CH 200P-50 B	C818 C821 C821 C823 C824	87-012-276-080 87-010-405-080 87-A12-091-080 87-012-349-080 87-010-404-080		CAP, CHIP SS 1500 PBK CAP,E 10-50 SME-K> CAP,E 10-50 SMG-EZ> C-CAP,S 1000P-50 CH CAP,E 4.7-50 SME-K>
C606 C609 C610 C611 C611	87-012-275-080 87-010-785-080 87-010-785-080 87-010-545-080 87-A12-084-080	0	-CAP,U 0 -CAP,U 0 AP,E 0.2	200P-50 B .015-25BK .015-25BK 2-50 SME <k> 2-50 SMG<ez></ez></k>	C824 C825 C831 C831 C836	87-A12-090-080 87-010-596-080 87-010-406-080 87-A10-092-080 87-012-286-080		CAP,E 4.7-50 SMG <ez> CAP, S 0.047-16 CAP,E 22-50 SME<k> CAP,E 22-50 SMG<ez> CAP,E 0.01-25</ez></k></ez>
C612 C612 C613 C613	87-010-545-080 87-A12-084-080 87-010-545-080 87-A12-084-080 87-010-545-080	0	AP,E 0.2 AP,E 0.2 AP,E 0.2	2-50 SME <k> 2-50 SMG<ez> 2-50 SME<k> 2-50 SMG<ez> 2-50 SME<k></k></ez></k></ez></k>	C837 C842 C844 C850 C850	87-012-286-080 87-012-286-080 87-012-286-080 87-010-260-080 87-A12-071-080		CAP, U 0.01-25 CAP, U 0.01-25 CAP, U 0.01-25 CAP,E 47-25 SME <k> CAP,E 47-25 SMG<ez></ez></k>
C614 C615 C616 C616 C617	87-A12-084-080 87-012-172-080 87-010-248-080 87-A12-063-080 87-010-221-080	0	APACITOR AP,E 220 AP,E 220	2-50 SMG <ez> CHIP U 10P CH -10 SME<k> -10 SMG<ez> -10 SMG<k></k></ez></k></ez>	C851 C852 C853 C858 C859	87-012-286-080 87-012-286-080 87-012-286-080 87-010-759-080 87-010-759-080		CAP, U 0.01-25 CAP, U 0.01-25 CAP, U 0.01-25 C-CAP,U, 0.1-25F C-CAP,U, 0.1-25F
C617 C618 C618 C630 C669	87-016-459-040 87-010-405-080 87-A12-091-080 87-A10-260-080 87-012-195-080	C C	AP,E 10-	-10 SMG <ez> 50 SME<k> 50 SMG<ez> .1-16 K B 00P-50CH</ez></k></ez>	C860 C942 C947 C948 C952	87-012-286-080 87-012-167-080 87-012-286-080 87-A10-039-080 87-012-286-080		CAP, U 0.01-25 C-CAP,U 5P-50 CH CAP, U 0.01-25 C-CAP,U 470P-50 J CH CAP, U 0.01-25
C670 C771 C771 C772 C779	87-012-195-080 87-010-263-080 87-A12-062-080 87-012-286-080 87-010-971-080	C C	AP, E 100 AP, U 0.	-10 SME <k> -10 SMG<ez></ez></k>	C957 C958 C962 C962 C971	87-012-174-080 87-012-286-080 87-010-401-080 87-A12-087-080 87-010-381-080	(CAP CHIP CERA SS 12P CHJ CAP, U 0.01-25 CAP,E 1-50 SME <k> CAP,E 1-50 SMG<ez> CAP,E 330-16 SME<k></k></ez></k>
C780 C782 C783 C784 C785	87-010-971-080 87-012-286-080 87-012-286-080 87-012-286-080 87-012-286-080	C C	AP, U 0.0 AP, U 0.0 AP, U 0.0 AP, U 0.0 AP, U 0.0	01-25 01-25	C972 C972	87-A12-067-080 87-010-404-080 87-A12-090-080 87-012-286-080 87-012-286-080	(CAP,E 330-16 SMG <ez> CAP,E 4.7-50 SME<k> CAP,E 4.7-50 SMG<ez> CAP,E 4.7-50 SMG<ez> CAP,U 0.01-25 CAP,U 0.01-25</ez></ez></k></ez>
C786 C788 C789 C790 C791	87-012-286-080 87-012-167-080 87-A10-801-080 87-A10-801-080 87-010-759-080	C C		P-50 CH .022-16 J B CM .022-16 J B CM	C981 C981 C982	87-012-195-080 87-010-260-080 87-A12-071-080 87-010-759-080 87-012-286-080	(C-CAP,U 100P-50CH CAP,E 47-25 SMB <k> CAP,E 47-25 SMG<ez> C-CAP,U, 0.1-25F CAP, U 0.01-25</ez></k>
C792 C793 C793 C794 C795	87-012-286-080 87-010-404-080 87-A12-090-080 87-A10-039-080 87-012-286-080	C. C.	AP,E 4.7	-50 SME <k> -50 SMG<ez> 70P-50 J CH</ez></k>	C985 C987 C989	87-012-286-080 87-012-195-080 87-012-286-080 87-012-286-080 87-012-195-080	(CAP, U 0.01-25 C-CAP,U 100P-50CH CAP, U 0.01-25 CAP, U 0.01-25 C-CAP,U 100P-50CH

	REF. NO.	PART NO.	KANF NO.	RI DESCRIPTION	REF. NO.	PART NO.	KAN NO.	
	C991 C992 C993 C994 C995	87-012-176-080 87-012-176-080 87-012-274-080 87-012-195-080 87-012-274-080		CAP 15P CHIP CAP,U 1000P-50B C-CAP,U 100P-50CH	C524 C525 C526 C527 C528	87-010-787-080 87-010-071-040 87-010-405-040 87-A10-039-080 87-010-263-040		CAP, U 0.022-25 CAP,E 1-50 M 5L SRE CAP,E 10-50 C-CAP,U 470P-50 J CH CAP,E 100-10 M 11L SME
,	C996 C997 C998 C998 C999	87-012-195-080 87-010-759-080 87-010-260-080 87-A12-071-080 87-A11-155-080		C-CAP,U, 0.1-25F CAP,E 47-25 SME <k> CAP,E 47-25 SMG<ez></ez></k>	C530 C531 C532 C533 C534	87-012-195-080 87-012-195-080 87-012-195-080 87-012-195-080 87-012-195-080		C-CAP,U 100P-50CH C-CAP,U 100P-50CH C-CAP,U 100P-50CH C-CAP,U 100P-50CH C-CAP,U 100P-50CH
·	CF831 CF832 CN351 CN401 CN602	87-008-423-010 82-785-747-010 87-A60-625-010 87-A60-620-010 87-099-194-010		CF MS2 GHY R CONN,8P V 2MM JMT CONN,3P V 2MM JMT	C535 C536 C537 C538 C539	87-012-195-080 87-012-195-080 87-012-195-080 87-012-195-080 87-012-195-080		C-CAP,U 100P-50CH C-CAP,U 100P-50CH C-CAP,U 100P-50CH C-CAP,U 100P-50CH C-CAP,U 100P-50CH
*	CNA351 CNA401 F101 FC101 FC102	8B-NFC-634-010 8B-NFC-633-010 87-A91-207-010 87-033-213-080 87-033-213-080		CONN ASSY,3P (PH) FUSE 315MA 250VT 50T <ez> FUSE CLAMP,PFC5000<ez></ez></ez>	C540 C546 C555 C556 C557	87-010-759-080 87-010-759-080 87-012-172-080 87-012-198-080 87-010-831-080		C-CAP,U, 0.1-25F C-CAP,U, 0.1-25F CAP 10P-50 CAP 180P C-CAP,U,0.1-16F
	FC602 FFE831 FFE831 J101 J103	88-906-251-110 A8-6ZA-199-170 A8-6ZA-19C-170 87-A61-480-010 87-A61-452-010		6ZA-1 FEENC <k> 6ZA-1 YFEENC<ez> JACK,DIA6.3 BLK ST W/SW MSC16A</ez></k>	C558 C560 CN501 CN502 FC502	87-010-831-080 87-012-286-080 87-A60-673-010 87-099-196-010 88-908-201-110		C-CAP,U,0.1-16F CAP, U 0.01-25 CONN,9P H 2MM JMT CONN,8P 6216 V FF-CABLE,8P 1.25
<u>A</u>	J602 J832 JR621 JR622 JW001	87-A60-881-010 87-A60-403-010 87-010-598-080 87-010-598-080 87-A91-941-080		TERMÍNAL,ANT PAL 2P HSP-312V05 C-CAP,S 0.068-16 C-CAP,S 0.068-16	FL501 L501 S301 S302 S303	8B-NFC-601-010 87-A50-655-010 87-A91-024-180 87-A91-024-180 87-A91-024-180		FL,NHA-10SS18T COIL,CLK 4.19MHZ (TOKO)7KLY SW,TACT KSH0611BT SW,TACT KSH0611BT SW,TACT KSH0611BT
\triangle	JW002 JW959 L101 L102 L451	87-A91-941-080 87-A11-155-080 87-A50-611-010 87-A50-611-010 87-007-342-010		CAP,TC U 0.01-16 Z F COIL,1UH K(CS) COIL,1UH K(CS)	\$304 \$305 \$306 \$307 \$308	87-A91-024-180 87-A91-024-180 87-A91-024-180 87-A91-024-180 87-A91-024-180		SW,TACT KSH0611BT SW,TACT KSH0611BT SW,TACT KSH0611BT SW,TACT KSH0611BT SW,TACT KSH0611BT
	L801 L802 L811 L832 L941	87-A50-608-010 87-A91-551-010 87-005-847-080 87-005-847-080 87-A50-020-010		FLTR,PCFJZH-450 L(TOK) COIL,2.2UH(CECS) COIL,2.2UH(CECS) COIL,ANT LW(COI)	S309 S310 S311 S312 S313	87-A91-024-180 87-A91-024-180 87-A91-024-180 87-A91-024-180 87-A91-024-180		SW,TACT KSH0611BT SW,TACT KSH0611BT SW,TACT KSH0611BT SW,TACT KSH0611BT SW,TACT KSH0611BT
<u> </u>	L942 L951 PT101 PT101 R790	87-A50-019-010 8A-NF8-668-010 8B-NFC-608-010 8B-NFC-610-010 87-012-286-080		COIL,OSC LW(COI) COIL,AM PACK 2(TOK) PT,BNF-C EZ <ez> PT,BNF-C K<k> CAP, U 0.01-25</k></ez>	S314 S315 S316 SFR391	87-A91-024-180 87-A91-024-180 87-A91-024-180 87-024-431-080		SW,TACT KSH0611BT SW,TACT KSH0611BT SW,TACT KSH0611BT SFR,3.3K RH063EC
<u>A</u>	RY101 T101 T102 TC942 X992	87-A91-339-010 87-A60-317-010 87-A60-317-010 87-A91-774-080 87-A70-306-010		RELAY,AC DC12V G5PA-2 TERMINAL, 1P MSC TERMINAL, 1P MSC TRIMMER,PLY 30P 6.8X5.4 CDYL VIB,XTAL 4.500MHZ CSA-309ST				
1	FRONT C.B							
y	C390 C500 C505 C506 C507	87-010-384-040 87-010-759-080 87-010-829-080 87-010-263-040 87-010-246-040		CAP,E 100-25 SME C-CAP,U, 0.1-25F CAP, U 0.047-16 CAP,E 100-10 CAP,E 47-35 SME <k></k>				
	C507 C508 C509 C510 C516	87-A12-078-040 87-010-192-080 87-010-404-040 87-010-404-040 87-010-831-080		CAP,E 47-35 SMG <ez> C-CAP,S 0.022-50 F CAP,E 4.7-50 SME CAP,E 4.7-50 SME C-CAP,U,0.1-16F</ez>				
	C517 C518 C519 C520 C521	87-010-831-080 87-012-274-080 87-012-336-080 87-012-282-080 87-010-829-080		C-CAP,U,0.1-16F CHIP CAP,U 1000P-50B CAP, CHIP SS 3300 SL CAP, U 4700P-50 CAP, U 0.047-16				
	C522 C523	87-016-459-040 87-010-248-040		CAP,E 470-10 SMG CAP,E 220-10 SME				

Oチップ抵抗部品コード/CHIP RESISTOR PART CODE



チップ抵抗 Chip resistor

容量	種類	許容誤差	記号	寸法/Dim		抵抗コード : A		
Wattage	Type	Tolerance	Symbol	外形/Form	L	W	t	Resistor Code: A
1/16W	1005	± 5%	CJ		1.0	0.5	0.35	104
1/16W	1608	± 5%	CJ		1.6	0.8	0.45	108
1/10W	2125	± 5%	CJ		2	1.25	0.45	118
1/8W	3216	± 5%	CJ	7 r	3.2	1.6	0.55	128

TRANSISTOR ILLUSTRATION



E C B





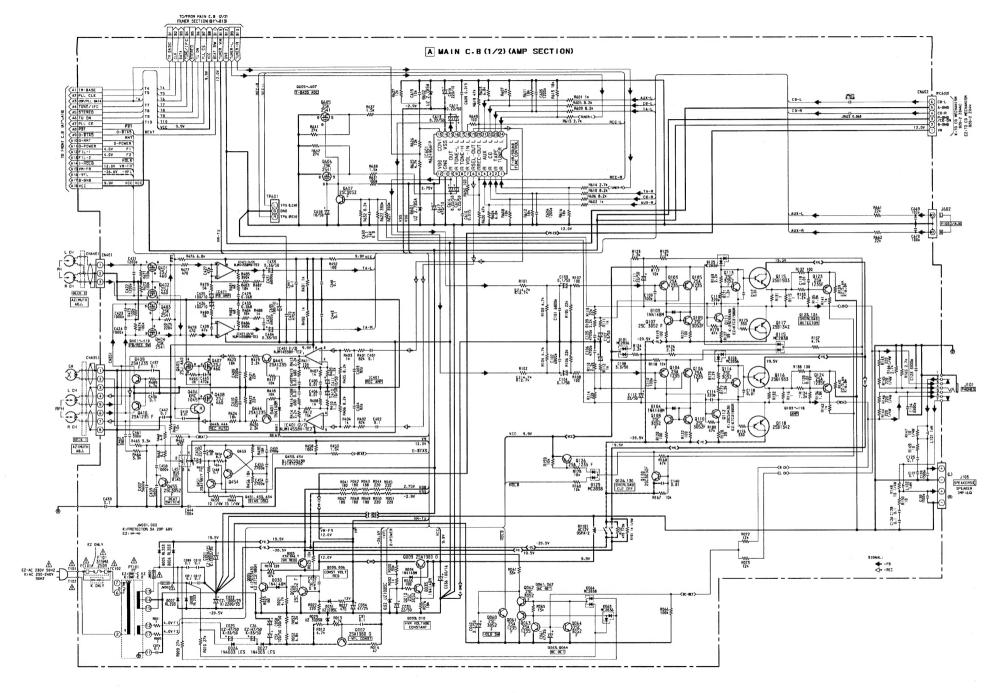
2SA1235F 2SC2714 2SC3052F CSD1306E KRA102S KRA107S KRC104S 2SA1980G 2SA1981Y 2SC5343G STC250

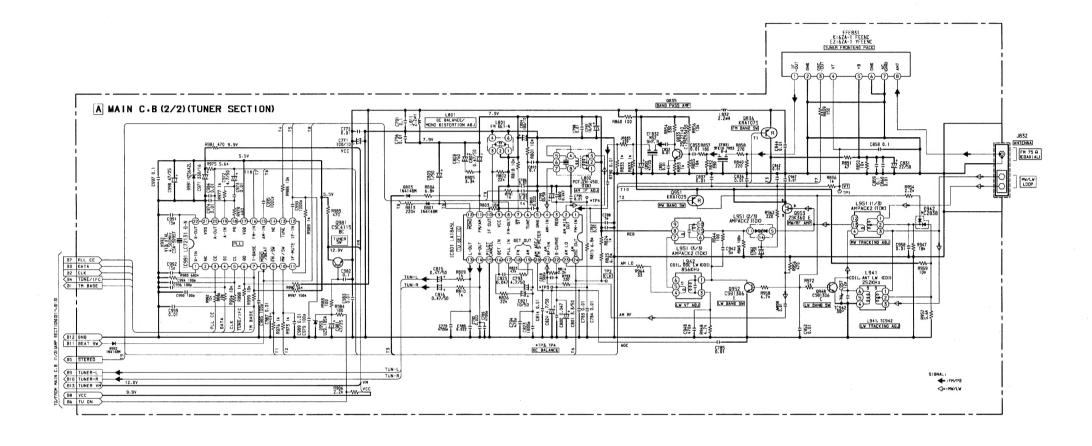
CSC4115BC KTC3198GR 2SD1933 2SB1342 KTA1046Y

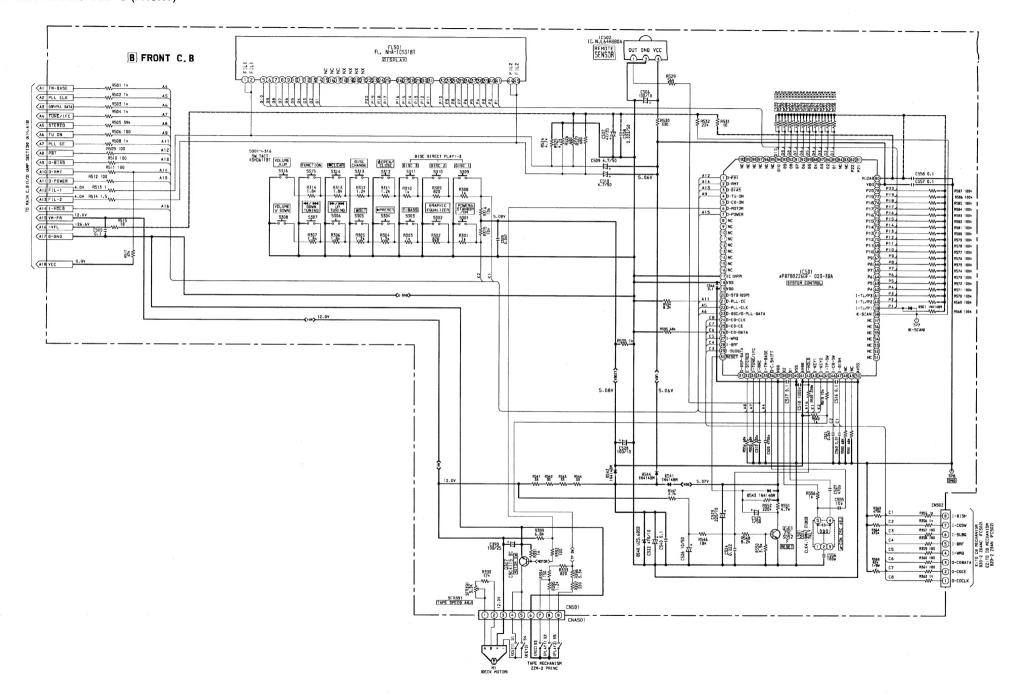


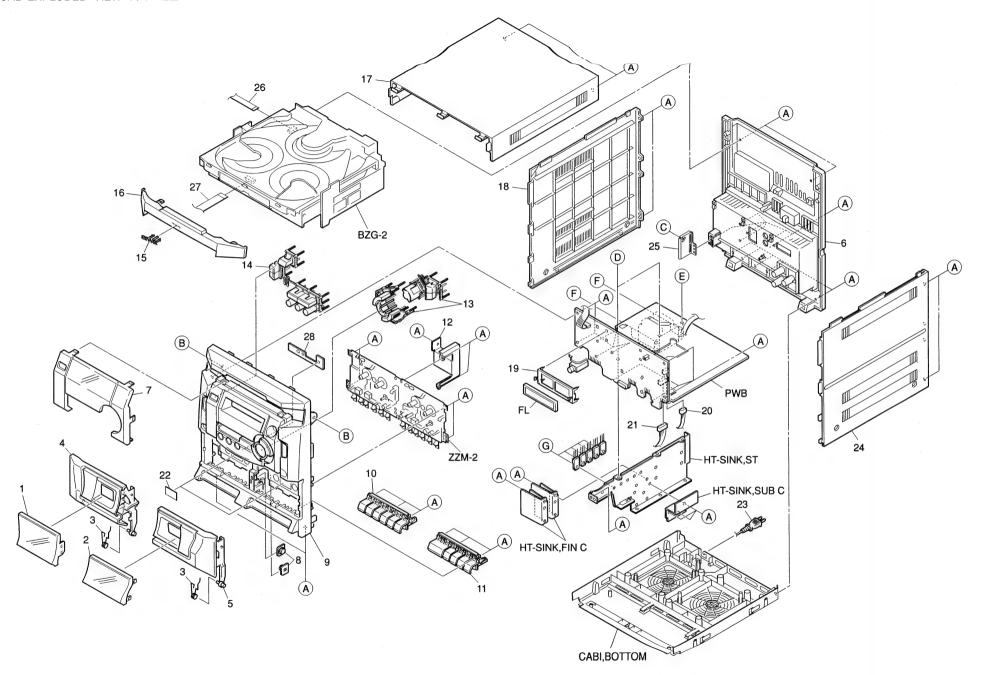


2SK2541 2SJ460 2SK360E







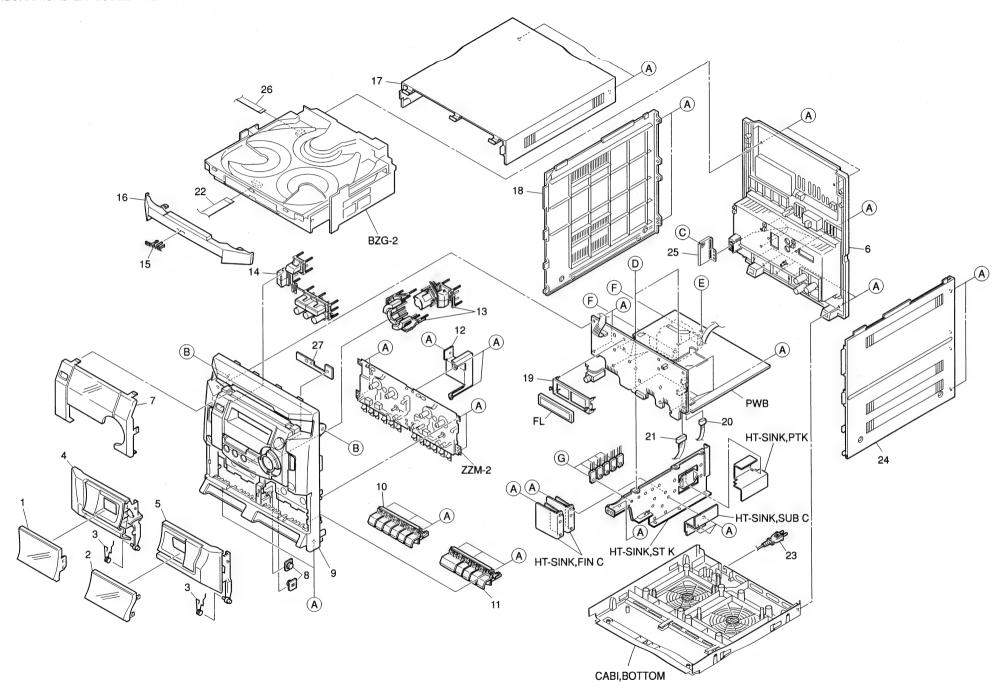


MECHANICAL PARTS LIST 1/1 <EZ>

REF. NO.	PART NO.	KANRI DESCRIPTION NO.
1	B-NFC-048-010	WINDOW, CASS 1 BLK
2	B-NFC-049-010	WINDOW, CASS 2 BLK
3	2-NF7-218-010	SPR-T, CASS
	B-NFC-043-010	BOX, CASS 1 BLK
5	B-NFC-044-010	BOX, CASS 2 BLK
-		Son, GES 2 BER
6	B-NFC-086-210	CABI, REAR EZB
7	B-NFC-047-010	WINDOW, DISP EZ SZ107
8	A-NFA-231-010	OIL-DMPR,70
9	B-NFC-041-010	CABI, FR EZ BLK
10	B-NFC-050-110	KEY, CASS 1 BLK
11	B-NFC-051-110	KEY, CASS 2 BLK
12	A-NEC-206-010	HLDR, DECK
13	B-NFC-053-010	KEY, PLAY BLK
14	8B-NFC-052-010	KEY, POWER BLK
15	17-CE3-023-010	BADGE, AIWA 30N SILV
16	8B-NFC-042-010	PANEL, TRAY BLK
17	8B-NFA-093-010	PANEL, TOP BLK
18	8B-NFC-045-010	PANEL, LEFT BLK
19	&-NFA-208-010	GUIDE, FL 100-25 ANFA
	8B-NFC-633-010	CONN ASSY, 3P (PH)
20	15-M1-C-055-010	COMM ADDI, SE (ER)
21	8B-NFC-634-010	CONN ASSY, 8P RPB
, 22	81-532-080-010	LABEL, CASS. COMPT
⚠ 23	87-A80-092-010	AC CORD ASSY, E BLK SUN FAI
	8B-NFC-046-010	PANEL, RIGHT BLK
25	8A-NEC-201-110	HLDR, PT
26	88-906-251-110	EE CADLE CD 1 DE (DVC DACE)
	88-908-201-110	FF-CABLE,6P 1.25(RVS-FACE) FF-CABLE,8P 1.25
	8B-NFC-643-010	•
	87-067-703-010	PWB HLDR WIRE
		TAPPING SCREW, BVT2+3-10
Д	87-721-096-410	QT2+3-10 GLD
С	87-571-092-410	TAPPING SCREW, VIT+3-4
D	87-067-579-010	TAPPING SCREW, BVT2+3-8
	87-NF4-224-010	S-SCREW, IT3B+3-8 CU
F	87-067-975-010	S-SCREW, IT+4-8
G	87-067-001-010	S-SCREW, BVWWST2+3-12 W/O SLOT

COLOR NAME TABLE

Basic color symbol	Color	Basic color symbol	Color	Basic color symbol	Color
В	Black	С	Cream	D	Orange
G	Green	Н	Gray	L	Blue
LT	Transparent Blue	N	Gold	Р	Pink
R	Red	S	Silver	ST	Titan Silver
Т	Brown	V	Violet	W	White
WT	Transparent White	Υ	Yellow	YT	Transparent Yellow
LM	Metallic Blue	LL	Light Blue	GT	Transparent Green
LD	Dark Blue	DT	Transparent Orange	GM	Metallic Green
YM	Metallic Yellow	DM	Metallic Orange	PT	Transparent Pink
LA	Aqua Blue	GL	Light Green	HT	Transparent Gray



MECHANICAL PARTS LIST 1/1 <K>

REF. NO	PART NO.	KANF NO.	I DESCRIPTION
1	8B-NFC-008-010		VINDOW, CASS 1
2	8B-NFC-009-010		VINDOW, CASS 2
3	82-NF7-218-010		SPR-T, CASS
4	8B-NFC-003-110		BOX, CASS 1
5	8B-NFC-004-110		BOX, CASS 2
			,
6	8B-NFC-016-210		CABI, REAR KSC
7	8B-NFC-034-010	V	VINDOW, DISP K 103
8	8A-NFA-231-010	(OIL-DMPR,70
9	8B-NFC-001-010		CABI, FR U
10	8A-NED-010-210	F	CEY, CASS 1
11	8A-NED-011-110		CEY, CASS 2
12			ILDR, DECK
	8B-NFC-020-010		CEY, PLAY
	8B-NFC-005-010		CEY, POWER
15	37-B00-002-010	F	BADGE, AIWA 30 ABS SIL
16	8B-NFC-002-010		PANEL, TRAY
17	8B-NFA-004-010		PANEL, TOP
18	8B-NFC-010-010		ANEL, LEFT
19			GUIDE, FL 100-25 ANFA
20	8B-NFC-633-010		CONN ASSY, 3P (PH)
		Ī	(211)
21	8B-NFC-634-010	C	ONN ASSY,8P RPB
, 22	88-908-201-110	F	F-CABLE,8P 1.25
⚠ 23	87-A80-157-010	A	C CORD ASSY, E BLK CC
24	B-NFC-040-010	P	ANEL, RIGHT K
25	BA-NEC-201-110	H	LDR, PT
26	10 006 051 110	_	E CARLE (D. 1. 05 (DVC EACE)
26 27	88-906-251-110 BB-NFC-643-010		F-CABLE, 6P 1.25 (RVS-FACE)
2 / A	\$7-067-703-010		WB HLDR WIRE APPING SCREW, BVT2+3-10
B	87-721-096-410		
Č	87-571-098-410		T2+3-10 GLD APPING SCREW, VIT+3-4
C	VI 2/1-032-410	1	AFFING SCREW, VIITS-4
D	87-067-579-010	T	APPING SCREW, BVT2+3-8
E	87-NF4-224-010		-SCREW, IT3B+3-8 CU
F	87-067-975-010	S	-SCREW, IT+4-8
G	87-067-001-010	S	-SCREW, BVWWST2+3-12 W/O SLOT

COLOR NAME TABLE

Basic color symbol	Color	Basic color symbol	Color	Basic color symbol	Color
В	Black	С	Cream	D	Orange
G	Green	Н	Gray	L	Blue
LT	Transparent Blue	N	Gold	Р	Pink
R	Red	S	Silver	ST	Titan Silver
T	Brown	V	Violet	W	White
WT	Transparent White	Υ	Yellow	YT	Transparent Yellow
LM	Metallic Blue	LL	Light Blue	GT	Transparent Green
LD	Dark Blue	DT	Transparent Orange	GM	Metallic Green
ΥM	Metallic Yellow	DM	Metallic Orange	PT	Transparent Pink
LA	Aqua Blue	GL	Light Green	HT	Transparent Gray

SPEAKER PARTS LIST (SX-NSZ102) <YSC>

REF. NC PART NO. KANRI DESCRIPTION NO.

1 8B-NSN-001-110 GRILLE, FRAME ASSY
2 8A-NSM-008-010 CORD, SPKR
3 8A-NSM-606-010 SPKR, 100

SPEAKER PARTS LIST (SX-NSZ107) <YBC>

REF. NO. PART NO. KANRI DESCRIPTION NO.

1 8B-NSN-015-010 GRILLE, FRAME ASSY B
2 8A-NSM-008-010 CORD, SPKR
3 8A-NSM-606-010 SPKR, 100

ACCESSORIES / PACKAGE LIST

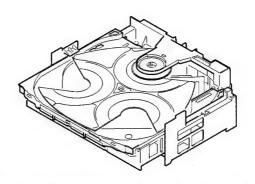
REF. NO. PART NO. KANRI DESCRIPTION NO.

1 8B-NFC-916-010 IB, EZ (9L) I < EZ > 18B-NFC-905-010 IB, K (E) S < K > 28Z-NF9-703-110 RC UNIT, RC-ZAS17 < EZ > 28B-NFC-702-010 RC UNIT, RC-AAS11 (VS) < K > 387-006-268-010 ANT, LOOP AM



BZG-2

English



SERVICE MANUAL

CD MECHANISM

BASIC CD MECHANISM: KSM2131FAM

TYPE	BASIC CD MECHANISM
ZD4NC	KSM-2131FAM
YZD4NC	KSM-2131FAM
ZD4N	KSM-2131FAM
YZD4NCC	KSM-2131FAM



PROTECTION OF EYES FROM LASER BEAM DURING SERVICING

This set employs laser. Therefore, be sure to follow carefully the instructions below when servicing.

WARNING!

WHEN SERVICING, DO NOT APPROACH THE LASER EXIT WITH THE EYE TOO CLOSELY. IN CASE IT IS NECESSARY TO CONFIRM LASER BEAM EMISSION. BE SURE TO OBSERVE FROM A DISTANCE OF MORE THAN 30cm FROM THE SURFACE OF THE OBJECTIVE LENS ON THE OPTICAL PICK-UP BLOCK.



- Caution: Invisible laser radiation when open and interlocks defeated avoid exposure to beam.
- Advarsel: Usynling laserståling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

VAROITUS!

Laiteen Käyttäminen muulla kuin tässä käyttöohjeessa mainitulla tavalla saattaa altistaa käyt-täjän turvallisuusluokan 1 ylittävälle näkymättömälle lasersäteilylle.

VARNING!

Om apparaten används på annat sätt än vad som specificeras i denna bruksanvising, kan användaren utsättas för osynling laserstrålning, som överskrider gränsen för laserklass 1.

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

ATTENTION

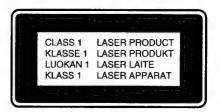
L'utilisation de commandes, réglages ou procédures autres que ceux spécifiés peut entraîner une dangereuse exposition aux radiations.

ADVARSEL!

Usynlig laserståling ved åbning, når sikkerhedsafbrydereer ude af funktion. Undgå udsættelse for stråling.

This Compact Disc player is classified as a CLASS 1 LASER product.

The CLASS 1 LASER PRODUCT label is located on the rear exterior.

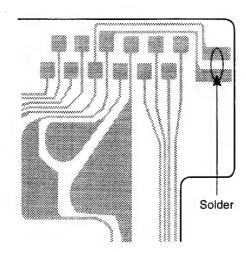


Precaution to replace Optical block (KSS-213F)

Body or clothes electrostatic potential could ruin laser diode in the optical block. Be sure ground body and workbench, and use care the clothes do not touch the diode.

1) After the connection, remove solder shown in the right figure.

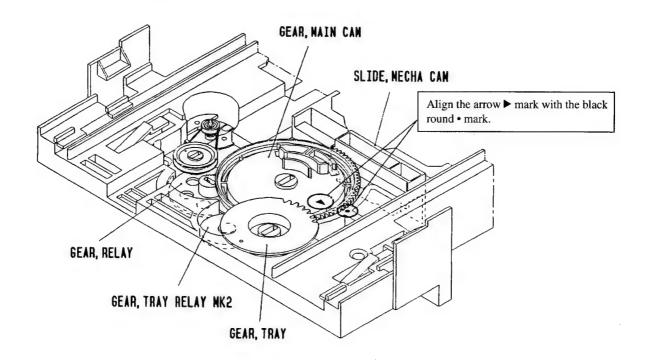
PICK-UP Assy PWB



How to Adjust the Rotating Phase of the Gear, Main Cam

- 1) Push down the hooking catch of the CHAS. MECH, and remove the TRAY
- Align the arrow mark of the Gear, Main Cam with the black round mark of the CHAS, MECHA as shown below.
- 3) Confirm that the Slide, Mech Cam is located in the right position, then insert the TRAY gently.

Caution: If the rotating phase of the Gear, Main Cam is incorrectly adjusted, the chucking operation and tray movement will have malfunction.

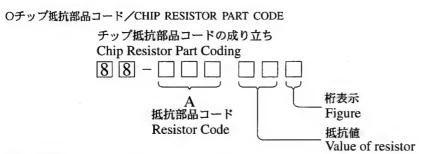


ELECTRICAL MAIN PARTS LIST-1/2

REF. NO	PART NO.	KANRI	DESCRIPTION	REF. NO	PART NO.	KANRI	DESCRIPTION
NEF. NO	rani No.	NO.	DESCRIPTION	TIEF. NO	17411110.	NO.	DECOMM TON
IC				C135	87-010-260-08		ECT 47-25V
				C136	87-010-759-08		, 0.1-25F
	87-A21-821-03		LC78645E	C137	87-A10-915-08		1000P-25 J CH
	87-A21-414-01	0 IC,BA	5927S	C138	87-010-759-08		, 0.1-25F
				C160	87-016-669-08	0 C-CAP,S	0.1-25 K B
TRANSISTO	R			C161	87-A10-484-08	0 C-CAP,S	1.0U-10 K B
				C203	87-010-112-08		ECT 100-16V
	87-026-609-08		A1266GR	C204	87-010-759-08		7, 0.1-25F
	87-026-610-08	•	C3198GR	C205	87-010-263-04		
	87-A30-073-08 87-A30-076-08		RT1N 141C 2SC3052F	C208	87-010-759-08	0 C-CAP, 0	7, 0.1-25F
	87-A30-515-08		A19790/Y	C212	87-010-405-04	O CAP,E 1	0-50
	07-A30-313-00	11,25	R13/30/1	C213	87-010-759-08		, 0.1-25F
				C214	87-010-759-08		, 0.1-25F
DIODE				C301	87-010-382-08		ECT 22-25V
21001				C302	87-010-759-08		7, 0.1-25F
	87-A40-743-08	0 ZENER	, UZ4.3BSA				
	87-A40-747-08		,UZ5.1BSB	C303	87-010-260-08	0 CAP, EL	ECT 47-25V
	87-A40-270-08		DE,MC2838	C304	87-010-759-08	0 C-CAP, U	7, 0.1-25F
	87-A40-753-08		, UZ 6 . 8BSB	C305	87-A10-915-08	0 C-CAP,U	1 1000P-25 J CH
	87-020-465-08	0 DIODE	,1SS133 (110MA)	C401	87-012-195-08	0 C-CAP, U	100P-50CH
				C402	87-012-195-08	0 C-CAP,U	100P-50CH
MAIN C.B				C403	87-012-195-08	0 C-CAP.T	100P-50CH
PIATH C.B				C404	87-012-195-08		100P-50CH
C1	87-010-759-08	O C-CAP	,U, 0.1-25F	C405	87-012-195-08		100P-50CH
C2	87-010-263-08		ELECT 100-10V	CN1	87-A60-429-01		P H TOC-A
C3	87-A10-915-08		U 1000P-25 J CH	CN202	87-A60-130-01		
C4	87-010-759-08	0 C-CAP	U, 0.1-25F				
C5	87-010-263-08	0 CAP, 1	ELECT 100-10V	CN301	87-A60-154-01	O CONN, 6P	H FE
				CN401	87-099-201-01		6216 Н
C6	87-010-405-08		ELECT 10-50V	CNA203	84-ZG1-648-01		
C101	87-A10-504-08		, U 0.047-16 K B	L101	87-005-469-08		7UH FLR50
C102	87-010-759-08		U, 0.1-25F	M201	87-045-305-01	0 MOTOR,	RF-500TB DC-5V (2MA)
C103	87-012-195-08		,U 100P-50CH	2104	07 010 070 00	0 0 0 0	2200D FO D
C104	87-012-282-08	CAP,	U 4700P-50	R104 R106	87-012-278-08 87-012-274-08		7 2200P-50 B AP,U 1000P-50B
C105	07 010 750 00	O C-CAR	U, 0.1-25F	S401	87-036-109-01		•
C105	87-010-759-08 87-010-263-08		ELECT 100-10V	S402	87-036-109-01		
C107	87-010-263-04		100-10	W1	8B-ZG2-601-01		E,16P 1.0 115MM
C108	87-010-759-08		,U, 0.1-25F	"-	02 202 001 01		
C109	87-010-263-04		100-10	W2	8B-ZG2-602-01	0 FF-CABL	E,5P 1.25 185MM
0103	0, 010 103 0		200 20	X101	87-A70-318-01		L 33.8688MHZ CSA-309
C110	87-010-405-04	O CAP.E	10-50				
C111	87-010-401-08		ELECT 1-50V				
C114	87-012-188-08		U 47P-50 CH	T-T C.B			
C115	87-010-759-08		U, 0.1-25F				
C116	87-010-263-04		100-10	C401	87-A11-148-08		U 0.1-50 Z F
		·		CN401	87-A60-082-01		P H 9604S-05F
C117	87-010-263-08		ELECT 100-10V	M401	87-A91-982-01	•	E-4 2054
C118	87-010-759-08		,U, 0.1-25F	PS401	87-A90-156-01	0 SNSR,SG	G-240
C121	87-010-263-08		ELECT 100-10V				
C122	87-010-759-08		U, 0.1-25F				
C123	87-012-169-08	0 C-CAP	U 7P-50 CH	MOTOR C.I	В		
C124	87-012-172-08	O CAPAC	ITOR CHIP U 10P CH	M2	9x-262-513-21		
C126	87-010-403-08		ELECT 3.3-50V	PIN3	91-564-722-11		OR 6P
C127	87-010-759-08	O C-CAP	U, 0.1-25F	SW1	91-572-085-11	0 LEAF SW	
C128	87-A10-504-08		U 0.047-16 K B				
C129	87-010-403-04	O CAP,E	3.3-50 SME				
C130	87-010-759-08	O C-CAP	U, 0.1-25F				
C131	87-010-759-08		U, 0.1-25F				
C132	87-010-263-04		100-10				
C133	87-010-405-08		ELECT 10-50V				
C134	87-010-759-08		,U, 0.1-25F				

ELECTRICAL MAIN PARTS LIST-2/2

Regarding connectors, they are not stocked as they are not the initial order items.
 The connectors are available after they are supplied from connector manufacturers upon the order is received.



チップ抵抗 Chip resistor

容量	種類	許容誤差	記号	寸法/Dim	ensions (mm)			抵抗コード : A
Wattage	Type	Tolerance	Symbol	外形/Form	L	W	t	Resistor Code: A
1/16W	1005	± 5%	CJ		1.0	0.5	0.35	104
1/16W	1608	± 5%	CJ		1.6	0.8	0.45	108
1/10W	2125	± 5%	CJ		2	1.25	0.45	118
1/8W	3216	± 5%	CJ	T P	3.2	1.6	0.55	128

TRANSISTOR ILLUSTRATION-1/1



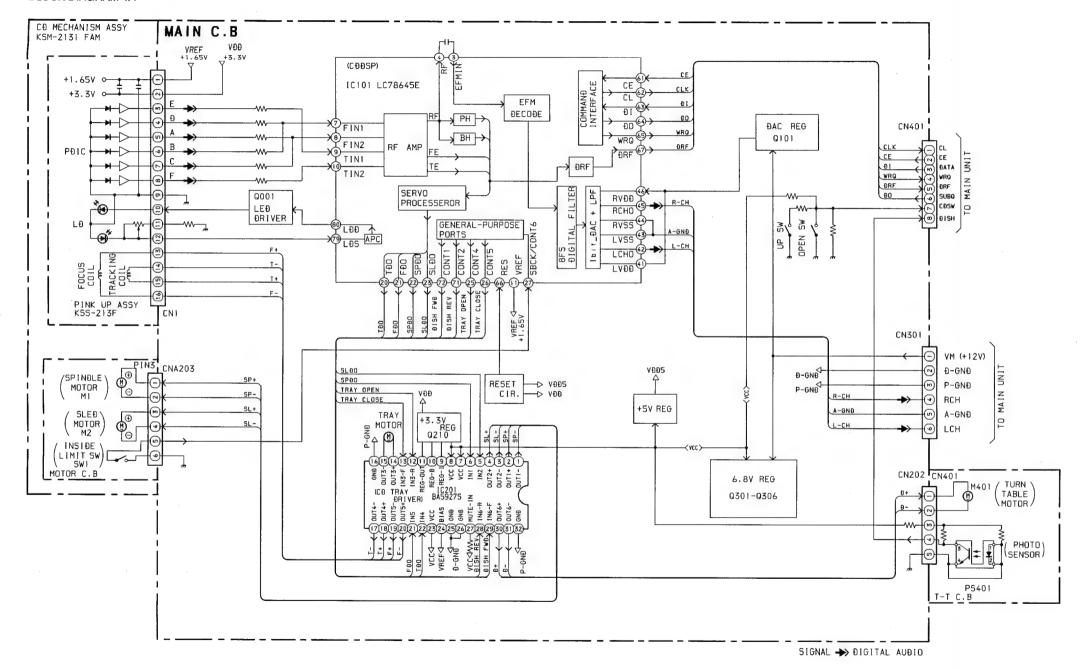
2SC3052F



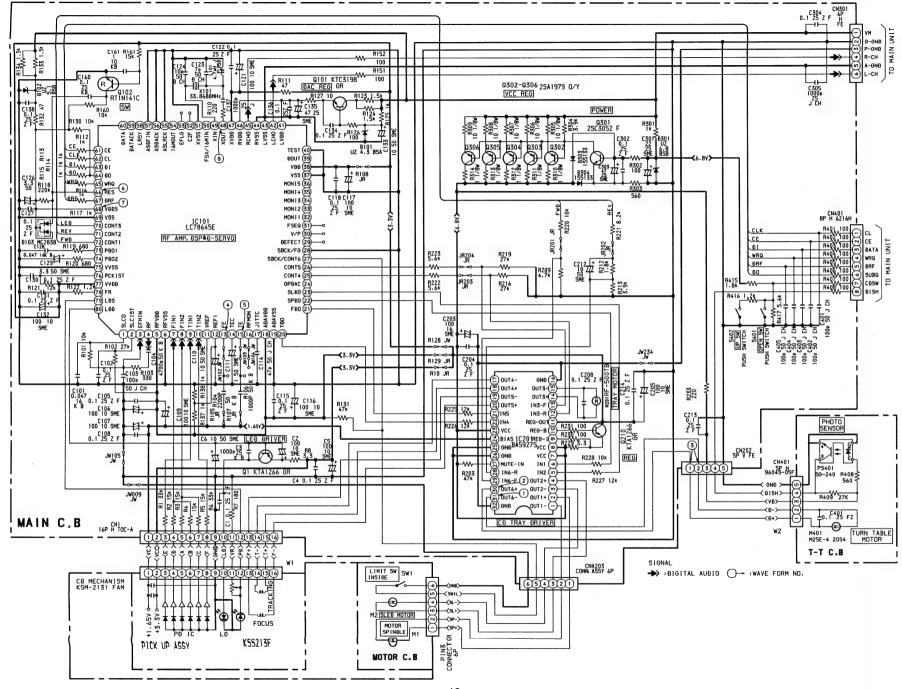




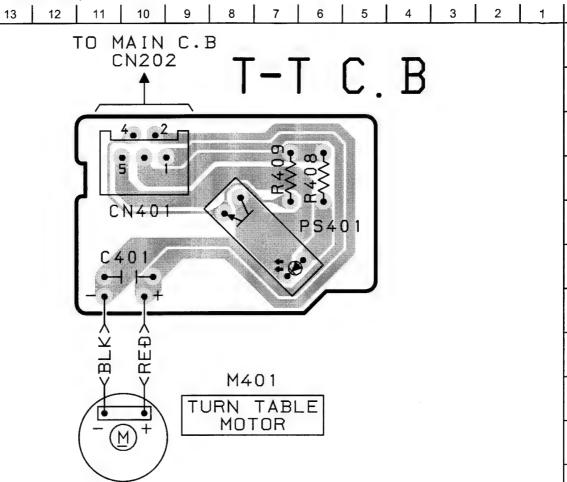
RT1N 141C 2SA19790/Y KTA1266GR KTC3198GR



CN401



14



В

D

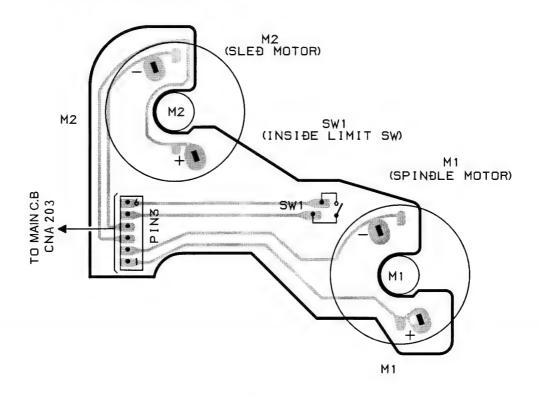
Ε

G

0

R

MOTOR C. B

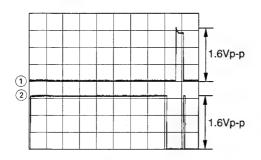


WAVE FORM-1/1

(1) IC201 (3) (OUT6-)

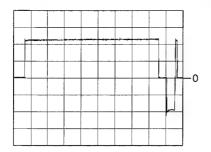
VOLT/DIV: 500mV TIME/DIV: 200mS

(2) IC201 30 (OUT6+)



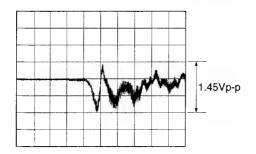
Between CN202 ① and ②
(② Pin: 0 Level)

VOLT/DIV: 1V TIME/DIV: 200mS



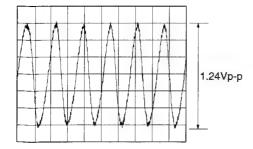
4) IC101 (3) (FE)

VOLT/DIV: 500mV TIME/DIV: 5mS



5) IC101 (5) (TE)

VOLT/DIV: 200mV TIME/DIV: 200µS



6 IC101 66 (RES)

VOLT/DIV: 1V TIME/DIV: 10mS

- (7) IC101 (8) (VDD5)
- (8) IC101 @ (XOUT)

(POWER ON)

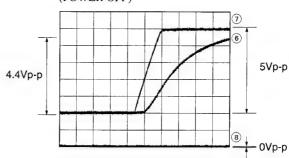


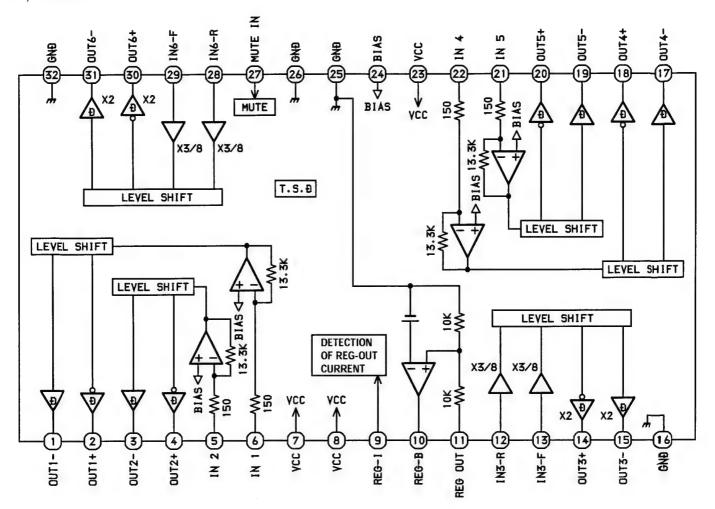
(6) IC101 (6) (RES)

VOLT/DIV: 1V TIME/DIV: 10mS

- 7) IC101 @ (VDD5)
- 8 IC101 (8) (XOUT)

(POWER OFF)





IC DESCRIPTION-1/1 (LC78645)-1/3

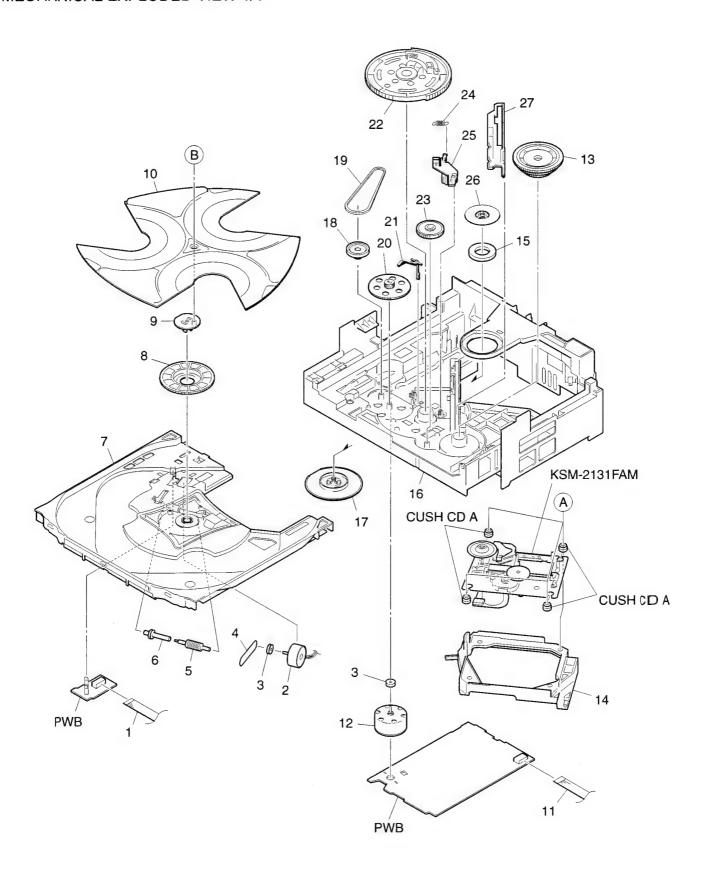
Pin No.	Pin Name	· I/O			Description	
1	SLCO	О	Control output.		t.	
2	SLCIST	I	Slice level control	SLCO output	current adjustment resistor connection pin.	
3	EFMIN	I		RF signal input pin.		
4	RF	0	RF monitor pin.			
5	RFVDD	_	RF power supply pin.			
6	RFVSS		RF ground pin. Must b	e connected to 0V		
7	FIN1	I	A+C signal input pin.			
8	FIN2	I	B+D signal input pin.			
9	TIN1	I	E signal input pin.			
10	TIN2	I	F signal input pin.			
11	VREF	0	VREF voltage output p	oin.		
12	REFI	I	Reference voltage outp	out setting pin.		
13	EF	О	FE signal monitor pin.			
14	TEC	0	TE signal LPF capacito	or connection pin.		
15	TE	0	TE signal monitor pin.			
16	RFMON	О	RF internal signal mon	itor pin.		
17	JITTC	0	Jitter detection capacito	or connection pin.		
18	ADAVDD	_	Servo A/D, D/A supply pin.			
19	ADAVSS	_	Servo A/D, D/A ground pin. Must be connected to 0V.			
20	TDO	О	Tracking control output pin. D/A output.			
21	FDO	О	Focus control output pin. D/A output.			
22	SPDO	0	Spindle control output pin. D/A output.			
23	SLDO	О	Thread control output pin. D/A output.			
24	GPDAC	0	Servo D/A general-purpose output pin. (Not connected)			
25, 26	CONT4, 5	I/O	General-purpose input/	output pin 4, 5.	Controlled by commands from the microprocessor.	
27	SBCK/CONT6	I/O	General-purpose input/ or subcode read clock i		Any of these that are unused must be either set up as input pin ports and connected to 0V, or set up as output pin ports and left open.	
28	SBCK/FG	I	Subcode read clock input pin/FG signal input pin/external emphasis setting pin. Set to command -pin function. Must be connected to 0V.			
29	DEFECT	0	Defect pin. (Not connected)			
30	V/P	0	Rouge servo/phase control automatic switching monitor output pin. "H" for rough servo and "L" for phase servo. (Not connected)			
31	FSEQ	О	Synchronization signal detection output pin. Outputs a high level when the synchronization signal detected from the EFM signal and the internally generated synchronization signal agree. (Not connected)			
32-36	MONI1, 5	О	Internal signal monitor pin 1, 5. (Not connected)			
37	VSS		Digital ground pin. Must be connected to 0V.			
38	VDD	_	Digital power supply pin.			
39	DOUT	0	Digital OUT output pin. (Not connected)			
40	TEST	I	Test input pin. Must be connected to 0V.			
	L					

IC DESCRIPTION-1/1 (LC78645)-2/3

Pin No.	Pin Name	I/O	Description					
41	LVDD	1-1			Lchannel power	power supply pin.		
42	LCHO	О	L channel D/A converter		L channel output	nnel output pin.		
43	LVSS				L channel ground	l pin. Must be connected to 0V.		
44	RVSS		R channel D/A converter		R channel ground	l pin. Must be connected to 0V.		
45	RCHO	0			R channel output	pin.		
46	RVDD				R channel power supply pin.			
47	XVDD	_		Crysta	l oscillator power suj	only pin		
48	XOUT	0	Crystal oscillator	-	ection for a 33.8688MHz crystal oscillator pin.			
49	XIN	I		Conne				
50	FSX/16MIN	I/O	7.35kHz synchroniza	_		d)		
51	xvss		Crystal oscillator	-	al oscillator ground pin. be connected to 0V.			
52	C2F	0	C2 flag output pin. (l	Not con	nected)			
53	EFLG	0	C1, C2 error correcti	on mon	itor pin. (Not connec	ted)		
54	16MOUT	0	16.9344MHz output	pin. (No	ot connected)			
55	ASLRCK	I	Antishock mode		L/R clock input pin. Must be connected to 0V when unused.			
56	ASDACK	I			Bit clock input pin. Must be connected to 0V when unused.			
57	ASDFIN	I			L/R channel data input pin. Must be connected to 0V when unused.			
58	LRSY	0			L/R clock output pin. (Not connected)			
59	DATACK	0	Digital data output		Bit clock output pin. (Not connected)			
60	DATA	О			L/R channel data output pin. (Not connected)			
61	CE	I			Chip enable signal input pin.			
62	CL	I			Data transfer clock input pin.			
63	DI	I	Microprocessor inter	face	Data input pin.			
64	DO	О			Data output pin. (Nch open drain output)			
65	WRQ	О			Interruption signal output pin.			
66	RES	I	Reset input pin. This pin must be set low briefly after power is first applied.					
67	DRF	0	Focus ON detect pin.					
68	VDD5	_	Microprocessor inter	face pov	wer supply pin.			
69	VSS	_	Digital ground pin. Must be connected to 0V.					
70	CONT3	I/O	General-purpose out	put pin 3	3. (Not connected)	Controlled by commands from the		
71, 72	CONT2, 1	I/O	General-purpose output pin 2, 1.		2, 1.	microprocessor. Must be set as an input pin and conected to OV or set as an output pin and left pen when unused.		

IC DESCRIPTION-1/1 (LC78645)-3/3

Pin No.	Pin Name	I/O		Description
73, 74	PD01, 2	0		Phase comparison output pin 1, 2 to control built-in VCO.
75	VVSS			Built -in VCO GND pin. Must always be connected to 0V.
76	PCKIST	I	PLL	Resistor connection pin to set current for PD01 and 02 outputs.
77	VVDD	_		Built-in VCO power supply pin.
78	FR	I		Resistor connection pin to set the frequency range of built-in VCO.
79	LDS	I	Laser power detection signal input pin.	
80	LDD	0	Laser power control signal output pin.	



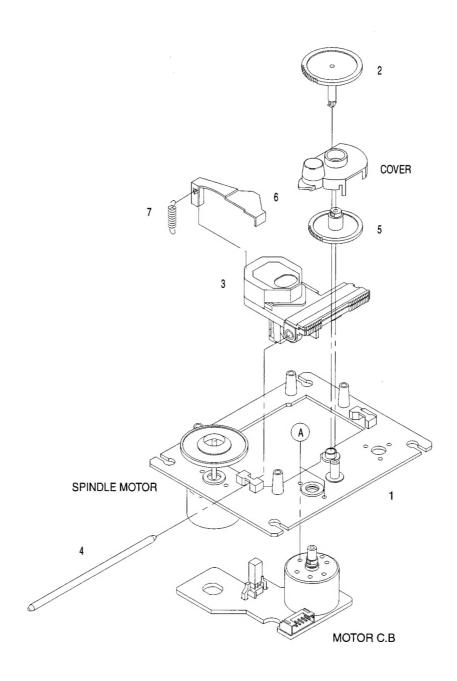
MECHANICAL PARTS LIST-1/1

REF. NO	PART NO. KAN		REF. NO	PART NO.	KANRI DESCRIPTION NO.
1	8B-ZG2-602-010	FF-CABLE, 5P 1.25 185MM	15	8B-ZG2-601-010	FF-CABLE, 16P 1.0 115MM <yzd4ncc></yzd4ncc>
2	87-A91-982-010	MOT,M25E-4 2054	16	8B-ZG2-201-010	CHAS, MECHA
3	84-ZG1-267-010	PULLEY, LOAD MO 8	17	84-ZG1-291-110	HLDR, MAGNET 4 NAT
4	8B-ZG2-246-010	BELT,SQ 1-96.1	18	84-ZG1-271-010	PULLEY, RELAY 8
5	8B-ZG2-241-010	GEAR, WORM	19	84-ZG1-209-010	BELT, SQ1.8-117.7
6	8B-ZG2-236-010	PULLEY, WORM	20	84-ZG1-206-110	GEAR, RELAY
7	8B-ZG2-001-010	TRAY, 2K	21	83-ZG3-213-010	LVR, SW
8	84-ZG1-269-010	GEAR, MAIN TT 4	22	8B-ZG2-221-010	GEAR, MAIN CAM
9	84-ZG1-288-010	LEVER, TT NAT	23	8B-ZG2-231-010	GEAR, TRAY RELAY
10	8B-ZG2-002-011	TURN TABLE, 2K	24	84-ZG1-211-010	SPR-E CAM S
11	83-ZG3-604-010	RING, MAG 2	25	8B-ZG2-216-010	LEVER, CAM
12	87-045-305-010	MOTOR, RF-500TB DC-5V (2MA)	26	81-ZG1-255-110	PLATE, MAGNET MK2
13	8B-ZG2-226-010	GEAR, TRAY	27	8B-ZG2-211-010	PLATE, MECHA CAM
14	8B-ZG2-206-010	HLDR, MECHA	λ	81-ZG1-271-010	S-SCREW MECH REAR
15	8B-ZG2-601-010	FF-CABLE,16P 1.0 115MM <except yzd4ncc=""></except>	В	87-B10-331-010	VF+3-6 BLK

COLOR NAME TABLE

		COLORET	MILL INDELL		
Basic color symbol	Color	Basic color symbol	Color	Basic color symbol	Color
В	Black	С	Cream	D	Orange
G	Green	Н	Gray	L	Blue
LT	Transparent Blue	N	Gold	Р	Pink
R	Red	S	Silver	ST	Titan Silver
T	Brown	٧	Violet	W	White
WT	Transparent White	Υ	Yellow	YT	Transparent Yellow
LM	Metallic Blue	LL	Light Blue	GT	Transparent Green
LD	Dark Blue	DT	Transparent Orange	GM	Metallic Green
YM	Metallic Yellow	DM	Metallic Orange	PT	Transparent Pink
LA	Aqua Blue	GL	Light Green		

CD MECHANISM EXPLODED VIEW-1/1 (KSM-2131FAM)



CD MECHANISM PARTS LIST-1/1 (KSM-2131FAM)

REF. NO	PART NO.	KANRI DESCRIPTION
		NO.
1	9X-264-629-220	MOTOR CHASSIS ASSY (MB) (FR)
2	92-626-907-010	GEAR (A) (S)
3	87-A90-836-010	OPTICAL PICK UP KSS-213F
4	92-626-908-020	SHAFT SLED
5	92-627-003-010	GEAR (B)
6	92-646-697-020	LENS SHUTTER (F)
7	92-646-702-010	SPRIG EXTENSION
A	97-621-255-150	SCREW+P2-3

アイワ株式会社 〒110-8710 東京都台東区池之端1-2-11 ☎03 (3827) 3111 (代表) AIWA CO., LTD. 2-11, IKENOHATA 1-CHOME, TAITO-KU, TOKYO 110-8710, JAPAN TEL:03 (3827) 3111